

Name: Vignesh S

Regno: 192325002

Experiment: 36. Write a Python function to subtract the background of the given input image based on color levels using Open CV

Code:

```
import cv2  
  
import numpy as np  
  
i = cv2.imread("image.jpg")  
  
hsv = cv2.cvtColor(i, cv2.COLOR_BGR2HSV)  
  
l = np.array([0, 0, 0])  
  
u = np.array([180, 255, 80])  
  
m = cv2.inRange(hsv, l, u)  
  
bg = cv2.bitwise_and(i, i, mask=m)  
  
cv2.imshow("Background Extracted", bg)  
  
cv2.waitKey(0)  
  
cv2.destroyAllWindows()
```

Input and Output:

